Sealed-Blok™
FAST-Line™ Replacement Lifeline
Model Numbers: *See Figure 1.*

SERVICE MANUAL FOR SEALED-BLOK™ FAST-LINE™ REPLACEMENT LIFELINE

WARNING: *This product is part of a personal fall arrest system[1]. The user must read and follow the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.*

IMPORTANT: *If you have questions on the use, care, or suitability of this equipment for your application, contact Capital Safety.*

DESCRIPTION:

FAST-Line™ is a field-replacement lifeline for the Sealed-Blok™ SRL Fall Arrest System[1]. See Figure 1 for Fast- Line™ Kit numbers and descriptions.

Figure 1 - FAST-Line™ Replacement Lifeline Kit

FAST-LINE™ KIT NUMBER	DESCRIPTION
3900105	50 feet of 3/16 inch galvanized wire rope, self locking plated steel swiveling snap hook with indicator.
3900106	50 feet of 3/16 inch stainless wire rope, self locking plated steel swiveling snap hook with indicator.
3900107	50 feet of 3/16 inch stainless wire rope, self locking stainless steel swiveling snap hook with indicator.

1 Fall Arrest System: *A system that prevents the worker from colliding with an obstruction or lower level by arresting a fall.*

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1.0 APPLICATION

1.1 PURPOSE: This manual is intended for use by competent individuals properly trained in the procedures contained herein, and authorized to perform service work. No distribution or duplication by any means is allowed without the written permission of DBI/SALA.

> ***WARNING:*** *In most cases, replacing the lifeline cannot be considered as a complete servicing. A thorough inspection of the unit must be performed by a competent person, according to section 5.0 of the Sealed-Blok™ Self Retracting Lifeline User Instruction Manual, form 5903059. If the snap hook impact indicator shows signs of activation (refer to the User Instruction Manual), the unit should be removed from service and fully serviced, including the brake and the other internal safety components. If it is known that the impact indicator is activated but that the unit has not been used to arrest a fall (retrieval situation for example) then it is acceptable that only the lifeline gets replaced, as long as the rest of the unit passes the inspection procedures in Section 5.0 of the User Instruction Manual.*

1.2 **ABOUT THIS MANUAL:** The written service procedures contained in this manual are supplemented by figures and drawings. Figures are designated by Figure numbers and are located adjacent to the relevant text. When reference is made to an item within a Figure, the reference includes a description and an underlined item number (i.e. specification label 15).

1.3 **SERVICE QUESTIONS:** If additional service information is required contact a DBI/SALA technical service representative.

1.4 **ERRORS AND OMISSIONS:** DBI/SALA has made every effort to ensure that the information in this manual is correct and complete. Please contact DBI/SALA if errors are found.

2.0 SERVICE PROCEDURES

> **WARNING:** *Some service procedures in this manual can be hazardous, and may result in serious injury. It is recommended that persons engaged in service work wear suitable clothing and proper hand, eye, face, and foot protection as necessary.*

> **WARNING:** *Use of parts, materials, or procedures not specified or supplied by DBI/SALA may be dangerous, and could result in death or serious injury to the user. Only genuine DBI/SALA replacement parts may be used.*

2.1 TOOLS: A list of required tools for FAST-Line™ is presented in Section 3.0, FAST- Line™ INSTALLATION.

> **NOTE:** *Torque measuring service tools must be maintained in correct calibration, traceable to the National Bureau of Standards*

2.2 **PRE-SERVICE INSPECTION:** Before beginning the FAST-Line™ cable replacement procedure, a functional inspection of the Sealed Blok™ unit should be performed. This may reveal an otherwise undetected defect. Refer to Section 5 Inspection Procedure in the Sealed-Blok™ Self Retracting Lifeline User Instruction Manual.

It is recommended that service records be kept on permanent file. This information should include: Model number, serial number, date of service, condition prior to service, parts replaced by part number, lot numbers of applicable parts, and condition upon completion of service. An Inspection and Maintenance Log is provided for this purpose in the Sealed-Blok™ Self Retracting Lifeline User Instruction Manual, form 5903059 (Section 9).

For traceability purposes, record the lot number of the FAST-Line™ cable assembly on the service record form in Section 4 of this document.

3.0 FAST-Line™ INSTALLATION

3.1 TOOLS REQUIRED

3.1.1

- One 1/8 inch Allen wrench
- 3/8 inch and 9/16 inch open end wrenches
- Flat blade screwdriver
- Gloves
- Drum locking tool. Part number 9600037. Order from Capital Safety. Reusable.

Figure 2

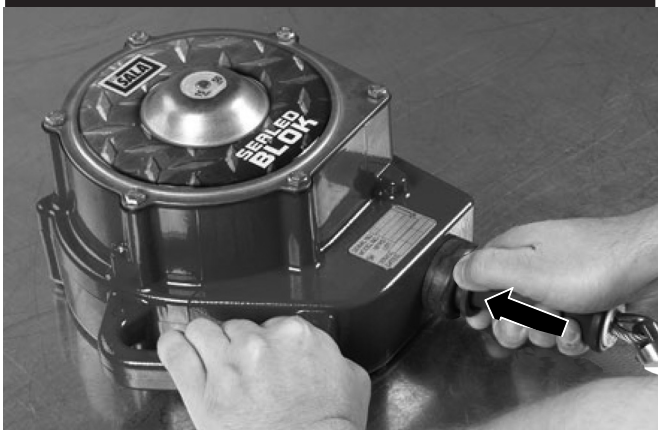
3.2 PARTS INCLUDED IN FAST-LINE™ KIT

Description	Quantity
Lifeline (cable) Assembly (descriptions on cover page)	1
Cap, 3/8 inch, black plastic	1
Cap, 1 inch, black plastic	1
Set Screw, 1/4 inch dia. - 20 X 3/8 inch, Stainless Steel	1
Lock Nut, 3/8 inch - 16, Stainless Steel	1

3.3 REMOVE OLD LIFELINE

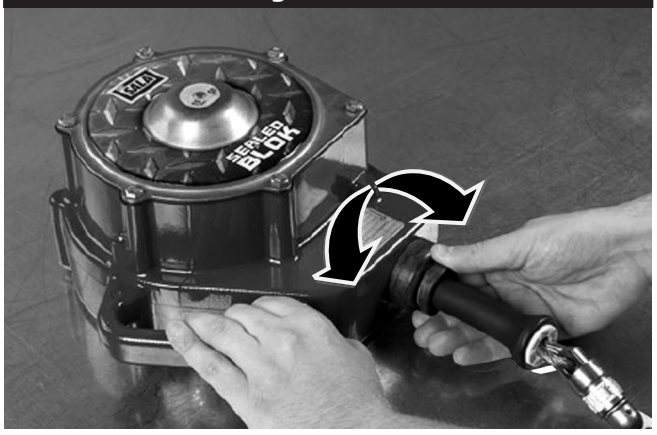
3.3.1 Push the plastic cable guide bushing at bottom of SRL in about ¼ inch.

Figure 3



3.3.2 Turn 180 degrees either clockwise or counterclockwise.

Figure 4



3.3.3 Pull the inner part of the bushing completely out of the SRL housing.

Figure 5

3.3.4 Remove plastic cap on back cover with flat blade screw driver.

Figure 6

3.3.5 Remove plastic cap at top of SRL, near pivoting anchorage loop.

Figure 7

3.3.6 Using a 1/8 inch Allen wrench, remove set screw on the SRL cover.

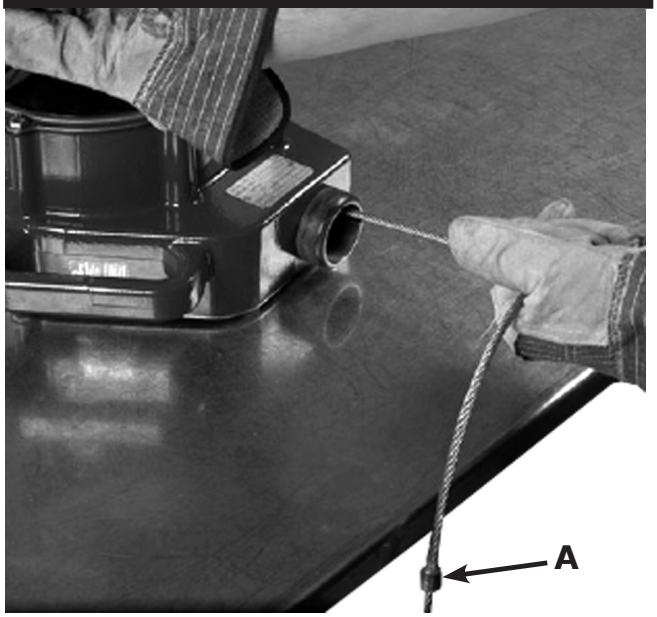
Figure 8

3.3.7 With gloved hand, pull the entire lifeline out of the SRL housing, including the lifeline reserve.

The beginning of the lifeline reserve is identified by the metal marker (A) on the lifeline. The lifeline reserve length is approximately 18 inches, from the metal marker to the end of the lifeline.

CAUTION: There is significant tension on the lifeline. Maintain lifeline control at all times. Do not release lifeline until Step 3.3.8 is completed. When pulling lifeline out, SRL can be secured to a work bench or other object to keep SRL in place.

Figure 9



3.3.8 While holding the lifeline firmly, insert the drum locking tool into the hole where the set screw was removed.

Figure 10

3.3.9 Line up the drum locking tool with the hole in the internal drum. When correctly inserted, the locking tool can be threaded into the SRL housing.

The drum locking tool must line up with the hole in the drum so that when the lifeline is released the drum will not turn.

Turn the drum locking tool into the housing until the tool contacts the drum cover (approximately four turns of the drum locking tool).

Figure 8

3.3.10 With a 1/8 inch Allen wrench, turn the set screw clockwise all the way in. Approximately 17 rotations will be needed. Initially, the set screw will turn with little resistance. Stop turning the set screw when resistance becomes noticeably greater. Overtightening the set screw will damage the threads in the housing.

Figure 11

3.3.11 Push lifeline out top of SRL. Using a 9/16 inch wrench or socket and a 3/8 inch wrench, remove the lock nut from the end of the cable stud.

Figure 12

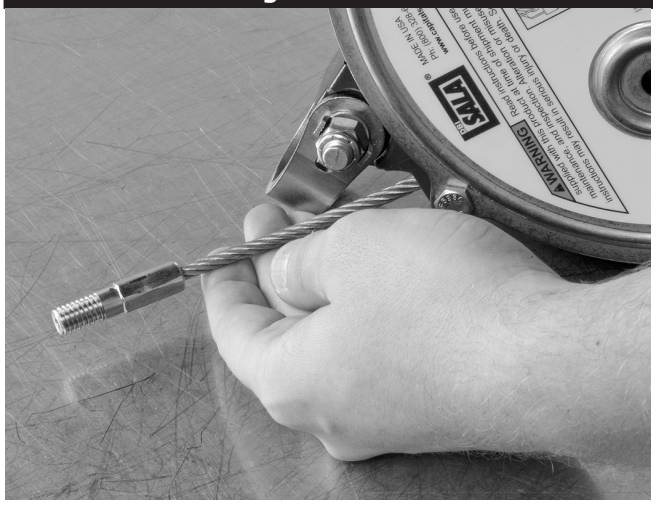
3.3.12 After the lock nut is removed, pull all the lifeline through the bottom of the housing and entirely out of the SRL.

Figure 13

3.4 INSTALL NEW LIFELINE

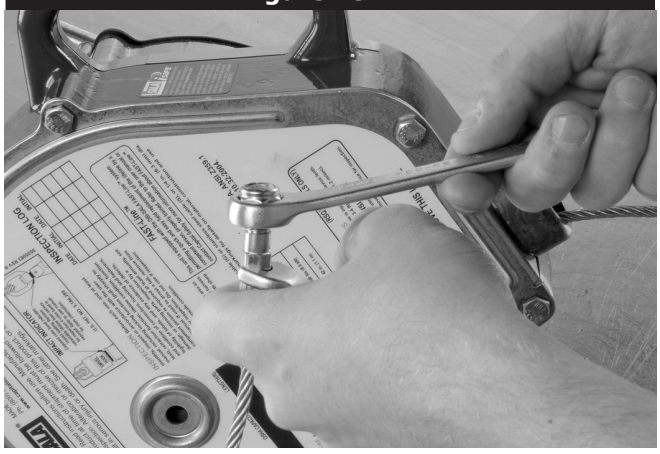
3.4.1 Push cable stud end of new lifeline assembly through bottom of SRL bushing and out top hole. Some alignment of the lifeline may be required to allow the lifeline to push through the SRL.

Figure 14



3.4.2 Install lock nut onto cable stud with 9/16 inch and 3/8 inch wrenches. Tighten lock nut.

Figure 15



3.4.3 Pull back on the lifeline to allow the lock nut on the lifeline end to fully seat into the internal cable drum.

Important: Look into the hole at top of the SRL, or look into the side hole, to confirm that the nut is fully seated.

Figure 16

3.4.4 Return to the back cover.

With 1/8 inch Allen wrench, turn the set screw all the way out (counterclockwise) until it stops. Initially, the set screw will turn with little resistance. Stop turning the set screw when resistance becomes noticeably greater. Overtightening the set screw will damage the threads in the housing. The correct torque setting for the set screw is 60 in-lbs.

Figure 17

3.4.5 Secure lifeline with gloved hand and remove drum locking tool from front side of housing. Lifeline will begin to retract into SRL when Allen wrench is removed. Make sure lifeline is controlled as it retracts into SRL housing. Lifeline should retract fully into housing.

Figure 18

3.4.6 Reinstall lifeline bushing by aligning pin with slot, push in and rotate 180 degrees. Bushing will pop back out about ¼ inch when properly installed.

Figure 19

3.4.7 Install plastic caps on top and back of SRL. Push or pound in place until fully seated.

Figure 20

3.4.8 Install Allen set screw on front cover with 1/8 inch Allen wrench. Torque to 60 in-lbs.

Figure 21

Upon completion of the FAST-Line™ process, the SRL should be inspected prior to use. Please see inspection instructions contained in the installation manual shipped with the SRL, or contact DBI-SALA.

4.0 LIFELINE REPLACEMENT LOG

SERIAL NUMBER:	
MODEL NUMBER:	
DATE PURCHASED:	**DATE OF FIRST USE:**

LIFELINE REPLACEMENT DATE	INSPECTION ITEMS NOTED	LOT NUMBER OF LIFELINE ASSEMBLY	NOTES
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
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WARRANTY

Equipment offered by Capital Safety is warranted against factory defects in workmanship and materials for a period of two years from date of installation or use by the owner, provided that this period shall not exceed two years from date of shipment. Upon notice in writing, Capital Safety will promptly repair or replace all defective items. Capital Safety reserves the right to elect to have any defective item returned to its plant for inspection before making a repair or replacement. This warranty does not cover equipment damages resulting from abuse, damage in transit, or other damage beyond the control of Capital Safety. This warranty applies only to the original purchaser and is the only one applicable to our products, and is in lieu of all other warranties, expressed or implied.

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